In the Claims:

Following is a complete listing of the claims:

1-101. (canceled)

102. (new) An electronic atomization cigarette, comprising:

a shell;

a mouthpiece;

an air inlet provided on the external wall of the shell;

a cell, an electronic circuit board, a normal pressure cavity, a sensor, a vapor-liquid separator, an atomizer, a liquid-supplying bottle arranged sequentially within the shell;

a stream passage provided on one side of the sensor;

a negative pressure cavity provided in the sensor;

an atomization cavity arranged in the atomizer;

an aerosol passage provided on one side of the liquid-supplying bottle;

wherein the liquid-supplying bottle is in contact with the atomizer; and

the air inlet, normal pressure cavity, vapor-liquid separator, atomizer, aerosol passage, gas vent and mouthpiece are sequentially interconnected.

103. (new) The electronic atomization cigarette according to claim 102, wherein the electronic circuit board comprises an electronic switching circuit and a high frequency generator.

104. (new) The electronic atomization cigarette according to claim 102, further comprising:

a spring piece for pressing the liquid-supplying bottle on the atomizer;

wherein the atomizer is postponed within the shell;

the liquid-supplying bottle is arranged between the vapor-liquid separator and the atomizer; and

the spring piece is arranged at one end of the liquid-supplying bottle.

105. (new) The electronic atomization cigarette according to claim 102, further comprising:

a display screen for showing smoking times per day and the cell capacity arranged on the inner wall of the shell.

106. (new) The electronic atomization cigarette according to claim 102, further comprising:

a microswitch connected to the sensor in parallel within the shell and used for manually cleaning; and

wherein when a user does not smoke, the microswitch is pressed, the sensor connected therewith in parallel is in operation and the residue or other impurity substance within the shell is cleaned.

107. (new) The electronic atomization cigarette according to claim 102, further comprising:

a ripple film provided between the sensor and the negative pressure cavity within the sensor;

a first magnetic steel, a second magnetic steel and a magneto device connected between said first and second magnetic steel provided within the sensor; and

wherein the second magnetic steel is attached to the ripple film.

108. (new) The electronic atomization cigarette according to claim 107, wherein the magneto device is a Reed switch.

109. (new) The electronic atomization cigarette according to claim 107, wherein the magneto device is a Hall device.

110. (new) The electronic atomization cigarette according to claim 107, wherein the magneto device is a magneto diode.

111. (new) The electronic atomization cigarette according to claim 107, wherein the magneto device is a magnetic triode.

112. (new) The electronic atomization cigarette according to claim 102, further comprising:

a silicon gel check valve provided within the sensor;

a third magnetic steel provided in the silicon gel check valve; and

a Reed switch provided outside the valve, on a side close to the magnetic steel.

113. (new) The electronic atomization cigarette according to claim 102, further comprising:

a through hole arranged on the vapor-liquid separator.

114. (new) The electronic atomization cigarette according to claim 113, further comprising:

a silicon gel check valve covering the outside of the through hole on the vapor-liquid separator.

115. (new) The electronic atomization cigarette according to claim 102, further comprising:

an overflow hole arranged on an atomization cavity wall of the atomization cavity.

116. (new) The electronic atomization cigarette according to claim 107, further comprising:

a heating element provided within the atomization cavity;

a stream ejection hole provided on one side of the heating element; and

a porous body arranged outside around the atomization cavity wall.

117. (new) The electronic atomization cigarette according to claim 107, further comprising:

a first piezoelectric element provided on one side of the atomizer; and

a bulge provided on the other side of the atomizer.

118. (new) The electronic atomization cigarette according to claim 116, wherein the stream ejection hole is a long stream ejection hole with 0.1 mm-1.3 mm of slot structure.

119. (new) The electronic atomization cigarette according to claim 116, wherein the stream ejection hole is a long stream ejection hole with Φ0.2 mm-1.3 mm of circular hole structure having a single and multiple holes.

120. (new) The electronic atomization cigarette according to claim 116, wherein the stream ejection hole is a short stream ejection hole with a diameter of 0.3 mm-1.3 mm.

121. (new) The electronic atomization cigarette according to claim 107, further comprising:

a second piezoelectric element additionally provided in the atomizer, wherein a stream passing through an ejection hole is atomized at a central vibration focus of the second piezoelectric element to achieve an effect of strong ultrasonic atomization.

122. (new) The electronic atomization cigarette according to claim 121, wherein the second piezoelectric element is in the form of a platen with a single layer.

123. (new) The electronic atomization cigarette according to claim 121, wherein the second piezoelectric element is in the form of a platen with laminated layers.

124. (new) The electronic atomization cigarette according to claim 107, wherein the atomizer is surrounded by the porous body which can be made of foam nickel, stainless steel fiber felt, high molecule polymer foam and foam ceramic.

125. (new) The electronic atomization cigarette according to claim 116, wherein the heating element is made of platinum wire, nickel chromium alloy or iron chromium aluminum alloy wire with rare earth element.

126. (new) The electronic atomization cigarette according to claim 116, wherein the heating element is made into a sheet form with conductive ceramics or PTC ceramics.

127. (new) The electronic atomization cigarette according to claim 107, wherein the atomization cavity wall is made of aluminum oxide.

128. (new) The electronic atomization cigarette according to claim 107, wherein the atomization cavity wall is made of ceramics.

129. (new) The electronic atomization cigarette according to claim 113, wherein the vapor-liquid separator is made of plastics.

130. (new) The electronic atomization cigarette according to claim 113, wherein the vapor-liquid separator is made of silicon rubber.

131. (new) The electronic atomization cigarette according to claim 102, wherein a solution storage porous body is provided in the liquid-supplying bottle.

132. (new) The electronic atomization cigarette according to claim 131, wherein the solution storage porous body is filled with polypropylene fiber, terylene fiber or nylon fiber.

133. (new) The electronic atomization cigarette according to claim 131, wherein the solution storage porous body is filled with plastics that are shaped by foaming.

134. (new) The electronic atomization cigarette according to claim 131, wherein the solution storage porous body is molded into a column with laminated layers by polyvinyl chloride, polypropylene, polycarbonate.

135. (new) The electronic atomization cigarette according to claim 102, further comprising:

a high frequency oscillator wherein the high frequency oscillator is a Colpitts oscillator with the oscillating frequency of 550KHz-8MHz.

136. (new) The electronic atomization cigarette according to claim 102, further comprising:

a semiconductor strain gauge with sealed film arranged between the sensor and the negative pressure cavity inside the sensor.

137. (new) The electronic atomization cigarette according to claim 102, wherein the mouthpiece is threaded;

wherein when nicotine solution in the liquid-supplying bottle is used up, a user can screw the mouthpiece out to take the liquid-supplying bottle out, refill the liquid-supplying bottle with the nicotine solution, put the liquid-supplying bottle into the shell again, and screw the mouthpiece.

138. (new) The electronic atomization cigarette according to claim 102, further comprising:

a retaining ring for locking the liquid-supplying bottle provided between one side of the liquid supplying bottle and the shell.

139. (new) The electronic atomization cigarette according to claim 102, further comprising:

a LED at a front end within the shell.

140. (new) The electronic atomization cigarette according to claim 102, wherein the shell is in the shape of a cigarette holder.

141. (new) The electronic atomization cigarette according to claim 102, wherein the shell is in the shape of a cigar.

142. (new) The electronic atomization cigarette according to claim 102, wherein the shell is in the shape of a pipe.

143. (new) The electronic atomization cigarette according to claim 102, wherein the electronic atomization cigarette can be filled with conventional drug, functioning as a pulmonary administration apparatus.

144. (new) A nicotine solution used for the electronic atomization cigarette according to claim 102, wherein the nicotine solution that is injected into the liquid-supplying bottle and used for the atomization process comprises 0.4-3.5% nicotine, 0.05-2% cigarette essence, 0.1-3.1% organic acid, 0.1-0.5% anti-oxidation agent, the rest being 1,2-propylene glycol.